

## Model 4446/52/55/65 Large Screen Color Flat Panel Display

46", 52", 55", 65" COLOR ACTIVE MATRIX LIQUID CRYSTAL DISPLAY (AMLCD)  
 CONVENIENT FRONT CONTROLS/ IR REMOTE OPERATION/ RS-232 REMOTE  
 MIL-S-901D SHOCK, MIL-STD-167-1A VIBRATION, MIL-STD-461E EMI  
 HIGH BRIGHT WITH DIMMING (STANDARD)  
 ANTI-REFLECTIVE PROTECTIVE VIEWING WINDOW (STANDARD)  
 WIDE VIEWING ANGLE IN ALL DIRECTIONS  
 HD-15 (VGA) AND DVI-D INPUT VIDEO CONNECTORS (STANDARD)  
 AUTO RANGING INTERNAL AC POWER SUPPLY  
 HIGH RESOLUTION 1920 X 1080  
 MOUNTING OPTIONS FOR BULKHEAD, CEILING AND DECK APPLICATIONS  
 (BULKHEAD MOUNTING BRACKETS AVAILABLE SEPARATELY)



Display Type:	46"	52"	55"	65"
<b>Active Display Area:</b>	1018 x 572 mm (40.1" x 22.5")	1152 x 648 mm (45.4" x 25.5")	1210 x 680 mm (47.6" x 26.8")	1428 x 803 mm (56.2" x 31.6")
<b>Pixel Pitch:</b>	0.530 (H) x 0.530 (V) mm	0.6 (H) x 0.6 (V) mm	0.630 (H) x 0.630 (V) mm	0.744 (H) x 0.744 (V) mm
<b>Brightness:</b>	270 cd/m <sup>2</sup> (Typical) w/EMI faceplate	360 cd/m <sup>2</sup> (Typical) w/EMI faceplate	450 cd/m <sup>2</sup> (Typical Center)	360 cd/m <sup>2</sup> (Typical) w/EMI faceplate
<b>Viewing Angle:</b>	89° All directions (Typical)	89° All directions (Typical)	85° All directions (Typical)	85° All directions (Typical)
<b>Contrast Ratio:</b>	4000:1 (Typical) (Center of screen)	4000:1 (Typical) (Center of screen)	550:1 (Typical) (Center of screen)	2500:1 (Typical) (Center of screen)
<b>Response Time (GTG):</b>	8 ms (Typical)	8 ms (Typical)	16 ms (Typical)	8 ms (Typical)
<b>Power Requirements:</b>	120 VAC 60 Hz @ 2.85A 310 watts (Typical)	90-264 VAC 47-63 Hz, 320 watts (Typical)	120 VAC 60 Hz @ 4.3A 359 watts (Maximum)	90-264 VAC Auto Ranging, 47-63 Hz, 527 watts (Typical)
<b>Dimensions &amp; Weight:</b>	27"(H), 45"(W), 7"(D), 113 lbs.	29.5"(H), 49.5"(W), 7.2"(D), 120 lbs.	31"(H), 52"(W), 7"(D), 140 lbs.	37"(H), 61"(W), 7.2"(D), 168 lbs.

### Global Specifications

<b>Input Interface:</b>	HD-15 (VGA), DVI-D
<b>Display Colors:</b>	1.6.7 Million
<b>Input Signal: Video:</b>	VGA
<b>Sync:</b>	Separate sync. TTL level
	Horizontal Sync: Positive/Negative
	Vertical Sync: Positive/Negative
	Composite Sync: Positive/Negative
	Sync on Green
	Input Impedance: 75 Ohms
<b>Resolutions Supported:</b>	640 x 480 @ 60-85 Hz
	800 x 600 @ 56-85 Hz
	1024 x 768 @ 60-85 Hz
	1152 x 900 @ 66 Hz
	1280 x 1024 @ 60-75 Hz
	1600 x 1200 @ 60 Hz
	1920 x 1080 @ 60 Hz (native)
<b>User Controls:</b>	Display Controls: Power, Brightness, Contrast, Clock Horizontal Phase, Horizontal & Vertical Position

### Environmental

<b>Temperature:</b>	Operating: 0°C to 50°C, MIL-STD810F (Sea Level) Method 501/502, Procedure II
	Storage: -20°C to +60°C, MIL-STD-810F, Method 501/502, Procedure I
<b>Humidity:</b>	Operating/Storage: 5 to 95% RH Non-condensing MIL-STD-810F, Method 507 Procedure I
<b>Altitude:</b>	Operating: 0 to 10,000 ft. above sea level
	Storage: 0 to 40,000 ft. above sea level (MIL-STD-810F, Method 500)
<b>Shock:</b>	MIL-S-901D, Grade B, Class I Type A
<b>Vibration:</b>	MIL-STD-167-1A, Type I
<b>EMI:</b>	MIL-STD-461E CE102, CS101, CS114, CS116, RE102, RS101, RS103
<b>Power Connections:</b>	Chassis Connector: IEC 320 Cable Connector: NEMA 5-15 P
<b>Other Features:</b>	IR Handheld Remote Operation RS-232 Remote Control Picture-in-Picture (PIP) Picture and Picture (PAP)
<b>Order Numbers:</b>	4446 Standard: 4446W6C-552-110
	4452 Standard: 356-7046-501
	4455
	4465 Standard: 356-7047-501

Aydin Displays is:



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All specifications subject to change without notice.